

Roll No. ....

**23221**

**M. Tech. 2nd Semester  
(Print & Graphic Communication)  
Examination – January, 2012**

**ADVANCE SECURITY PRINTING**

**Paper : PTL-725**

*Time : Three Hours ]*

*[ Maximum Marks : 100*

*Before answering the question, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard, will be entertained after examination.*

**Note :** Candidates are directed to attempt *five* questions out of *eight* by selecting at least *one* from each Unit. Draw neat & clear diagram wherever needed. All questions carry equal marks.

**UNIT – I**

1. Explain watermark. Discuss in detail about its various types. Explain all watermark present in Rs. 100/- (Gandhi Series) Note/Indian Currency. 20

2. Discuss in detail about design feature and security feature of Rs. 500/- (Gandhi Series) of Indian Currency. 20

### UNIT – II

3. Discuss in detail about cheque printing. 20
4. Explain MICR ? Discuss in detail about its importance in cheque printing. 20

### UNIT – III

5. Write in detail about specific application of various printing process in currency printing. 20
6. Combination of major printing processes provides more security feature in security printing. Justify. 20

### UNIT – IV

7. Discuss in detail about RFID and its importance in modern era. 20
8. Explain in detail about special features added due to use of security ink/special inks in currency printing. 20